

CLIENT : STATE BANK OF INDIA					
SUBJECT: ELECTRICAL WORKS AT RACC, JALNA					
No.	PARTICULARS	QTY.	UNIT	RATE	AMOUNT
<b>A</b>	<b>SECTION - A</b>				
	<b>MAIN/CAPCITOR PANEL &amp; DBS</b>				
1	Supply, Installation, Testing, Commissioning of 160ATPN SFU with 120 A HRC fuse (L&T/EE make), 440 V, 3phase & neutral, 50c/s AC23 duty on MS angle iron frame fabricated out of 40mmx40mmx5mm MS angle duly painted with cable end boxes, earthing, name plate danger board fixing accessories. The above complete with all accessories	1	NO.		
2.0	S/I/T/Commissioning 6 way VTPN DB having	1	NO.		
a	<b>Incoming-</b> 160 A TP MCB 1 NOS				
b	<b>Outgoing-</b> (i) 63/80 A TP MCB 3 NOS with all accessories (ii) 32/20 A SP MCB 9 NOS with all accesses				
	Separate Neutral Bus for Each Phase to be given				
3	<b>LIGHTING CUM RAW POWER DISTRIBUTION BOARD</b>				
	VTPN LDB consist of				
a	<b>Incomer:</b> - 100 Amps TPN MCCB - 1 No.				
b	<b>Outgoing:</b> - (i) 10 / 16 Amps SP MCB, C-curve - 9 Nos. (ii) 63 A TP MCCB-1 NO.				
	(Make: -L&T/ Legrand / Siemens / Merlin Gerin)	1	SET		
4	<b>UPS/RAW/LIGHTING POWER DISTRIBUTION BOARD</b>				
	8 WAY SPN UPS DB consist of				
a	<b>Incomer:</b> - 40/32 Amps DP MCB - 1 No.				
b	<b>Outgoing:</b> - 16/10 Amps SP MCB, D-curve- 8 Nos.				
	(Make: - L&T/ Legrand / Siemens / Merlin Gerin)	1	SET		
5	<b>UPS OUT PUT DISTRIBUTION BOARD</b>				
	8 WAY SPN UPSDB consist of				
a	<b>Incomer:</b> - 63 Amps DP MCB - 1 No.				
b	<b>Outgoing:</b> - 32 Amps DP MCB, D-curve- 04 Nos.				
	(Make: - L&T/ Legrand / Siemens / Merlin Gerin)	1	SET		
6	<b>UPS INPUT/OUT PUT</b>				
	INPUT & OUT PUT of Branch UPS Complete with separate enclosure 63 Amp TP MCB I/c and 40A DP MCB O/G	1	SET		
7	<b>Signages Timer-</b> S/I/T/Commissioning of Automatic Timer control for Signages with Automatic Power On / Off to sign board with required capacity of Automatic 24 Hrs Time Delay operation designed for cyclic mode as per I.S. standard etc. complete. (Basic Cost Not Less Than Rs.2500/- Only) (L&T make)	1	NOS.		

8	Supply, Installation, Testing, Commissioning 25 KVAR APFCR Panel with, 3 Phase delta connected APP self healing Cap Banks, Auto Manual Switching, 6 Stage Intelligent APFC Relay, Timers, Auxiliary relays etc and with 63A Incommer MCCB with thermal relaease.The above complete with all accessories	1	No		
9	<b>AC Cyclic Timer</b> Supply, Installation & Commissioning of Automatic AC Cyclic for 2 nos. of Split/ Window ACs with 1 no. of Real Time Electronic Timer Switch DW219BLK of MK & 2 nos. Contactor/ High Power Relay, Mains ON & AC-1 & AC-2 indicating LED type Lamps, 2A HRC fuse with base for contactor coil & 1 no. 32A DP MCB with Auto/ Manual Switch, in Powder coated MS. Box & all accessories with Elmax make terminals for outgoing/ incoming connections	1	NOS.		
<b>TOTAL OF SECTION A</b>					
<b>B</b>	<b><u>SECTION - B</u></b>				
1	<b>POWER CABLE &amp; TERMINATION</b>				
a	Supplying, Installation, Testing & Commissioning of LT Cable rated for 1100 Volts AC as per IS Standard with necessary accessories with fine resistance cable.Rates are inclusive of LT Cable Termination of CU/AL with respective follwing size cable (Make: - Dowells /Jainsons) (Make: - Finolex-FR / Polycab Havells)				
a1	3.5 Core X 95 Sq.mm. Aluminum Armoured cable from Meter Room to MPDB with 8 swg GI wires for earthing	0	Mtrs.		
a2	3.5 Core X50 Sq.mm. Aluminum Armoured cable with 8 swg GI wires for earthing	45	Mtrs		
a3	4 Core X 10 Sq.mm. Cu. Armoured XLPE Cable	65	Mtrs.		
a4	4 Core X 6 Sq.mm. Cu. Armoured XLPE Cable	35	Mtrs.		
a6	3 Core X 4 Sq.mm. Cu. Armoured XLPE Cable	130	Mtrs		
<b>TOTAL OF SECTION B</b>					
<b>C</b>	<b><u>SECTION - C</u></b>				
1	<b>LIGHT POINT WIRING</b>				

	Supplying, Installation, Testing & Commissioning of Light Point Wiring using 1100 Volts grade with 3 Nos. of 1.5 Sq.mm. Copper PVC insulated FRLS ( flame retardant low smoke ) through PVC conduits of 25mm of 16 Gauge thickness. All the wiring below false ceiling on wall must be concealed. All the drops wire from the junction box to the light point must be in flexible pipe with gland at the junction box. (Make: - Finolex / RR / Polycab - FR) Rate quoted must include the cost of circuit wiring from DB Switchboard & switchboard to switchboard, switches, Conceal Box, Plate and Required Accessories etc. (Make as per list)				
1a	1 Light control by 1 switch	45	NOS.		
1b	2Light control by 1 switch	15	NOS.		
1c	3Light control by 1 switch	5	NOS.		
1d	Glow sign board wiring with 16A sp mcb termination	3	NOS		
1e	Half Socket Point on Lighting Board.	10	NOS.		
1f	Bell Point With Indicator Type Bell instrument	2	NO.		
1g	Exhaust Fan Point	2	NOS.		
1f	Ceiling Fan Point With Fan Hook, 120W step type Fan Regulator etc.	12	NOS.		
1g	<b>POWER POINTS-</b> wiring for 5/16 Amp-6-pin sockets by using 4sq.mm PVC insulated 1100v grade copper conductor wire with independent 2.5 sq.mm earth wire from DB to first and fixing of 16amp. 6-pin socket with 16amp. Switch INDOOR FOR CASSETS UNITS	8	Nos		
1h	<b>A.C. point-</b> 3 Core X 4 Sq.mm. Cu. Armoured XLPE Cable from AC DB to AC point .Rates are inclusive of supplying and fixing of metal AC box with 3 pin metal clad top and 25 amp SPMCB "C" series. ( Wiring must be from DB to stabilizer to MCB near indoor unit to indoor unit) Make - C&S, Legrand FOR BM Cabin &System Room,and Banking hall	2	Nos		
<b>TOTAL OF SECTION C</b>					
<b>D</b>	<b><u>SECTION - D</u></b>				
1	<b>FLOOR RACEWAYS / CONDUITS</b>				
	Supplying, Installation, Testing & Commissioning of following raceways / conduits manufactured as per sizes given below in flooring. The rate shall be inclusive of removing the flooring by cutter & back filling the same with required Sand, Cement etc. and giving the finishing upto the floor level as per instructions of Architect/bank engineer /Consultant.				

1a	60mm X 40mm X 2mm Aluminum Raceways.	0	Mtrs.		
2	<b>FLOOR JUNCTION BOX</b>				
	Supplying, Installation, Testing & Commissioning of following GI Junction Boxes in floor of 16 SWG thick duly powder coated. The rate shall be inclusive of providing Sand, Cement etc. and finishing the same upto the floor level as per instructions of the Architect/bank engineer /Consultant.				
2a	150mm X 150mm X 50mm, 16 SWG Junction Box with Stainless Steel Cover Plate.	5	NOS.		
2b	200mm X 200mm X 50mm, 16 SWG Junction Box with Stainless Steel Cover Plate.	6	NOS.		
3c	300mm X 300mm X 40mm, 16 SWG Junction Box with Stainless Steel Cover Plate.	6	NOS.		
<b>TOTAL OF SECTION D</b>					
E	<b><u>SECTION - E</u></b>				
1	<b>RAW POWER POINT</b>				
	Supplying, Installation, Testing & Commissioning of raw power socket point on Skirting, Walls, for tables using heavy duty PVC pipe run concealed within Walls / Partition / Work Station etc. The rate shall be inclusive of MS concealed box, switch, socket, surface plate, pvc pipe from junction to point. Rate quoted must include the cost of circuit wiring by using 3 X 2.5 sqmm Copper conductor PVC FRLS wires from DB Switchboard & switchboard to switchboard (Make as per list)				
1a	6 Amps 3 Pin Or 5 Pin Socket and 6 Amps Switch Point.	22	NOS.		
2	<b>COMPUTER SOCKET POINT</b>				
2a	Supplying, Installation, Testing & Commissioning of computer socket point on Skirting, Walls for for tables using PVC pipe run concealed within Walls / Partition / Work Station etc. The rate shall be inclusive of MS concealed box, switch, socket, surface plate pvc pipe from junction to point. (Make - MDS /MK / North West) Rate quoted must include the cost of circuit wiring from DB Switchboard & switchboard to switchboard with <b>3 Nos. X 2.5 Sq.mm. PVC insulated Copper flexible cable in 25/32mm pvc pipe with suitable size PVC Glands for Termination for 3 Nos. of 6 Amps below work station on 8 module plate &amp; 1 No. of 16 Amps SP switch with indicator above work station.</b>	22	NOS.		
2b	1 No. of 6/16 Amps socket with 1 Nos. of 16 Amps SP indicator switch above work station.	14	NOS.		
<b>TOTAL OF SECTION E</b>					

F	SECTION - F				
1	<b>LIGHT FIXTURE</b>				
	Supplying, Installation, Testing & Commissioning of following light fixtures complete of approved make as per specification with all fitting, accessories such as Junction Box, Hardware, Starter, Connector, Lamps, Tube etc. (Before Installation Sample must be shown to Architect / Engineer)				
1a	2x2 LED FIXTURE suitable for recess mounting. (Make - Philips /GE / Crompton/Wipro) <b>Philips Mod No. RC380B LED-30S-6500,L60W60 PSU OD S1</b> .OR equivalent (wipro,bajaj,Crompton) with all accessories complete with in built Driver & all required accessories	10	NOS.		
1b	15 watts led downlighter Philips Mod No. BBS170 1xDLED-5000 PSU WH or equivalent(wipro,bajaj,Crompton)complete with in built Driver & all required accessories	55	NOS.		
1c	LED 4' T5 type Light Fixture	20	NOS.		
1d	48" Ceiling Fan of Bajaj/CG/Havells/ Usha with Double ball bearing	8	NOS.		
1g	9" Exhaust Fan modular type with bird louvers of Unique / GEC / Crompton make.	2	NOS.		
1h	Supply, Installation, Testing & Commissioning of 30 Watts LED street light fixtures to be mounted on wall with appropriate diameter of precoated MS Pipe with all fixing accessories required. Wipro make Garment cat.no-D923065	0	NOS.		
<b>TOTAL OF SECTION F</b>					
G	SECTION - G				
	<b>TELEPHONE CABLING</b>				
1a	Supplying, Installation, Testing & Commissioning of 50 pair telephone unarmoured cable in 32mm Pvc Pipe. (Make - Polycab)	20	RMT		
	Supplying, Installation, Testing & Commissioning of 20 pair telephone unarmoured cable in 32mm Pvc Pipe. (Make - Polycab)	35	RMT		
1b	S/I/T/Commissioning of 50 pair telephone tag block with 50 Pair krone module with termination and crimping etc. complete. (Make - Delton / ITL)	1	NOS.		
1c	Supply & installation of Telephone point wiring on workstations/tables/partitions by using 2-pair cable pulled through already laid floor raceways/conduits and taken upto the table top using PVC rigid / flexible conduits run concealed.Each point consists of one RJ-11 jack type telephone socket,MS box flush to the surface, front plate etc & hardware asrequired.	14	NOS.		

	<b>TOTAL OF SECTION G</b>				
<b>I</b>	<b><u>SECTION - H</u></b>				
<b>1</b>	<b>PUBLIC ADDRESS SYSTEM</b>				
1a	Supplying, Installation, Testing & Commissioning of 8 OHMS 6 Watts 4" dia speaker of Ahuja / Bosch/Philips make recessed on the false ceiling complete with line matching transformer.	5	NOS.		
1b	S/I/T/Commissioning of Volume Controller in cabin	2	NO.		
1c	S/I/T/Commissioning of point wiring of speaker with 1 No. of 2 Core 14/36 SWG or 0.2m stranded tin copper flexible wire run in 25mm dia PVC conduits. All conduits shall run above false ceiling fixed to ceiling with PVC spacers, clamps etc. complete. (Make - Polycab-FR / Finolex)	5	NOS.		
	<b>TOTAL OF SECTION H</b>				
<b>J</b>	<b><u>SECTION - I</u></b>				
	<b>MISCELLANEOUS WORK</b>				
1	Supplying/Installation/Testing & Commissioning of Earthing station with 600 X 600 X 6mm thick <b>GI plate</b> as per IS rule. Rate shall be inclusive of supply installation of GI plate, 25mm dia GI pipe with funnel for water and 450mm Cast Iron cover with its frame. Necessary digging of earth pit, excavation, back filling of earth, electrode, charcoal, salt layer & brick masonry work in proper manner. (The electrode should be buried not less than 4.5 Meters deep and resistance should be not less than 0.5 ohms.)	2	NOS.		
2	Supplying/Installation/Testing & Commissioning of Earthing station with 600 X 600 X 6mm thick <b>CU plate</b> as per IS rule. Rate shall be inclusive of supply installation of GI plate, 25mm dia GI pipe with funnel for water and 450mm Cast Iron cover with its frame. Necessary digging of earth pit, excavation, back filling of earth, electrode, charcoal, salt layer & brick masonry work in proper manner. (The electrode should be buried not less than 4.5 Meters deep and resistance should be not less than 0.5 ohms.)	1	NOS.		
3	S/I/T/Commissioning of 1 No. of 10 Sq.mm. single core PVC flexible copper wire for UPS in 25mm PVC conduit with all required accessories etc.	25	Mtrs.		
3a	S/I/T/Commissioning of 25mm X 3mm GI Earthing Strip.	35	Mtrs.		
5	Arranging temporary Power & Lighting for all agencies to work . The rate shall include statutory aproval from Local Electrical Inspectorate & other required satatutory bodies, preparation of AS-BUILT drawings, Testing of the installation & prearaition of test report as required by statutory bodies. Note: The rate to include cost of suitable temporary Lighting for all areas as per requirement during work.	1	nos		

6	S/I/T/Commissioning of light censors for cabins /conference room	2	nos		
<b>TOTAL OF SECTION I</b>					
<b>J</b>	<b>SECTION - J</b>				
	<b>NETWORKING &amp; DATA CABLING</b>				
1a	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto 30 meter length or less as per site condition in suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/ fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc. complete as required as per site condition and as directed as required. Junction box should be covered with Stainless steel plate with screw with gasket for protection of water/dust. Providing, fixing, testing and commissioning of modular type RJ45 cat-6 I/O information outlet, single / dual / quad type face plate, PVC back box etc. including Termination, Testing,Certification and Documentation of UTP Pointsand complete system as required with suitable size of MS/PVC modular boxes complete, all accessories with insulation displacement connectors etc suitable for CAT 6 UTP cabling with RJ-45 socket with testing and commissioning of STP cabling with scanner for all the nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.) Make of Material:- (i) Data Cable, Cat 6 cable, Switch, Jack panel, Rack, Patch cords & Other accessories:- D-Link,Legrand	25	Nos		
1b	Supply of 3 feet Cat-6 patch cord	25	Nos		
1c	Supply of 7 feet Cat-6 patch cord	25	Nos		
1d	S/I/T/Commissioning of 9U Rack.( D - Link )	1	No.		
<b>TOTAL OF SECTION J</b>					
<b>SUMMARY</b>					
<b>A</b>	<b>SECTION A</b>				
<b>B</b>	<b>SECTION B</b>				
<b>C</b>	<b>SECTION C</b>				
<b>D</b>	<b>SECTION D</b>				
<b>E</b>	<b>SECTION E</b>				
<b>F</b>	<b>SECTION F</b>				
<b>G</b>	<b>SECTION G</b>				
<b>H</b>	<b>SECTION H</b>				
<b>I</b>	<b>SECTION I</b>				
<b>J</b>	<b>SECTION J</b>				
<b>TOTAL</b>					
<b>ADD GST</b>					

	<b>GRAND TOTAL</b>				